



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

ASCOMYCETES AND LOWER FUNGI— FASCICLE III

GUY WEST WILSON AND FRED JAY SEAVER

51. BOTRYOSPHERIA QUERCUM (Schw.) Sacc. Syll. Fung.
1: 456. 1882.

Sphaeria Quercuum Schw. Schr. Nat. Ges. Leipzig 1: 40. 1818.

The species is apparently very variable and numerous synonyms have been sighted. For more complete synonymy see Ellis and Everh. N. Am. Pyrenom. 546. Bronx, N. Y. City, spring, 1907. F. J. S.

52. CENANGIUM FURFURACEUM (Roth) Sacc. Syll. Fung. 8:
565. 1889.

Peziza furfuracea Roth, Cat. Bot. 2: 257 pl. 9, f 3. 1800.

Dermatea furfuracea Fries, Summa Veg. Scand. 362. 1849.

Encoelia furfuracea Karst. Myc. Fenn. 1: 218. 1871.

Rather common in N. Dakota on dead branches of *Corylus* sp. Coll. spring, 1908. F. J. S.

53. CERCOSPORA DAVISII Ellis & Everh. Proc. Acad. Nat. Sci.
Phil. 1891: 89. 1892.

On leaves of *Melilotus alba* Desv., Fayette, Iowa, July 2, 1909. G. W. & D. D. Wilson.

Rather abundant in some patches of the host but on the whole not common.

54. HYPOCREA RICHARDSONI Berk. & Mont.; Berk Grevillea 4:
14. 1875.

Common on dead branches of *Populus tremuloides* Michx. Fargo, N. Dakota, spring, 1908. F. J. S.

According to Schrenk (Bull. Torrey Club 21: 388) this is a *Corticium*.

55. PHYLLOSTICTA LABRUSCAE Thüm, Pilze des Wein. 189.
1878.

Guignardia Bidwellii (Ellis) Vala & Ravaz, Bull. Soc. Myc. Fr.
8: 63. 1892.

On leaves of *Vitis vulpina* L., Fayette, Iowa. July 2, 1909.
G. W. W.

According to M. E. Roze (Bull. Soc. Myc. Fr. 14: 24. 1892)
Phoma uvicula Berk. & Curtis and *Phyllosticta viticola* Thümen
represent stages in the development of this fungus.

56. HELMINTHOSPORIUM GRAMINUM Rabenh. Herb. Viv. Myc.
II. 332. 1856.

On leaves of *Hordeum vulgare* L., Fayette, Iowa, June 29,
1909. G. W. W.

Locally rather destructive to barley and quite prevalent the
present season.

57. HYPOCREA CITRINA (Pers.) Fries, Summa Veg. Scand. 383.
1849.

Sphaeria citrina Pers. Obs. Myc. 1: 68. 1796.

On dead branches of *Tilia americana* L. while still on the tree,
especially occurring where the bark is broken, Fargo, N. Dakota,
1907-8. Observed in this locality only on basswood.

58. HYSTEROGRAPHIUM KANSENSE Ellis & Everh. Erythea 2:
22. 1894.

On bark of *Quercus* sp., Mt. Pleasant, Iowa, summer, 1905.
F. J. S.

The specimens have been compared with the type of this species
and conform well in all respects.

59. MICROSPHAERA ALNI (Wallr.) Salmon. Mem. Torrey Club.
9: 129. 1900.

Alphitomorpha alni Wallr. Ann. Wett. Ges. 4: 237. 1819.

On leaves of *Syringa vulgaris*, Bronx, N. Y. City, autumn,
1908. F. J. S.

For more complete synonymy see Salmon, l. c.

60. NECTRIA EPISPHAERIA (Tode) Fries, Summa Veg. Scand.
388. 1845.

Sphaeria episphaeria Tode, Fungi Meckl. 2: 21. 1791.

On old sphaeriaceous fungi, Fargo, N. Dakota, 1907-8.
F. J. S.

61. NECTRIA SEMINICOLA Seaver, Mycologia 1: 21. 1909.

On seeds of skunk cabbage, *Spathyema foetida*, autumn, 1906.
F. J. S.

The material issued under this number is cotype. The species has been observed during the present season, 1909, on similar habitat.

62. PERONOSPORA CALOTHECA de Bary; Rabenh. Herb. Viv. Myc.
II. 673. 1858.

On *Galium boreale* L., Fayette, Iowa, July 1, 1909. G. W. W.

Local but where present rather abundant. While other species of *Galium* grow with the infected one, the fungus appears to be confined to the one host.

63. PERONOSPORA PARASITICA (Pers.) Fries, Summa Veg. Scand.
493. 1849.

Botrytis parasitica Pers. Obs. Myc. 1: 96. pl. 5, f. 6. 1796.

Peronospora Dentariae Rabenh. Fungi Europ. 86; Fl. 42: 436.
1859.

On *Dentaria laciniata* Muhl., Fayette, Iowa, May 14, 1908.
G. W. W.

Not abundant on the present host, at least locally.

64. PERONOSPORA TRIFOLIORUM de Bary, Ann. Sci. Nat. IV. 20:
117. 1863.

On leaves of *Astragalus carolinianus* L., Fayette, Iowa, June 5, 1908. G. W. W.

Rather an uncommon species which is locally abundant on this host. The form on *Astragalus* may be distinct from that on *Trifolium* and *Medicago*.

65. *PHYSALOSPORA AURANTIA* Ellis & Everh. N. Am. Fungi 2355;
N. Am. Pyrenom. 304. *pl.* 27, *f.* 1-6.

On leaves of *Astragalus* sp., Kulm, N. Dakota. Coll. J. F. Brenckle.

The specimens distributed here conform well with the type.

66. *PLASMOPARA PYGMAEA* (Unger) Schröter; Cohn, Krypt. Fl. Schles. 3¹: 234. 1886.

Botrytis pygmaea Unger, Exanth. Pfl. 172. 1833.

Peronospora pygmaea Unger, Bot. Zeit. 5: 315. 1847.

On *Anemone caroliniana* Walt., Fayette, Iowa, June 9, 1908. G. W. W.

When present this little fungus covers large areas of the host with a very dense growth of conidiophores.

67. *PLEONECTRIA BEROLINENSIS* Sacc. *Michelia* 1: 123. 1878.
Nectria Ribis Niessl, Verh. Nat. Ver. Brumm. 2: 114. 1865
(homonym).

Pleonectria Ribis (Niessl) Karst. Medd. Soc. Fauna Fl. Fenn. 5: 42. 1879.

On cultivated currants, Fargo, N. Dakota, summer, 1908. F. J. S.

68. *RHYSOTHECA VITICOLA* (Berk. & Curtis) G. W. Wilson, Bull. Torrey Club 34: 407. 1907.

Botrytis viticola Berk. & Curtis; Berkeley, Jour. Hort. Soc. London 6: 289. 1851 (hyponym).

Peronospora viticola Casp. Monatsb. K. Preuss. Akad. Wiss. 1855: 331. 1855 (hyponym); de Bary, Ann. Sci. Nat. IV. 20: 125. 1863.

Plasmopara viticola Berl. & De-Toni; in Sacc. Syll. Fung. 7: 338. 1888.

On *Vitis vulpina* L., Fayette, Iowa, June 25, 1909.

This destructive fungus appears as spots on the leaves as a fruit rot, or involves both stem and leaf of the new growth covering them with a dense mould-like growth and causing some hypertrophy.

69. RHYTISMA SALICINUM (Pers.) Fries, Syst. Myc. 2: 568.
1822.

Xyloma salicinum Pers. Tent. Disp. Fung. 5. 1797.

On leaves of *Salix* sp., Kulm, N. Dakota, 1908. Coll. J. F. Brenckle.

70. SEPTORIA SCROPHULARIAE Peck, Ann. Rep. N. Y. St. Mus.
28: 57. 1879.

On leaves of *Scrophularia marylandica* L., Fayette, Iowa, July 2, 1909. G. W. W.

71. SPHAERELLA FRAGARIAE (Tul.) Sacc. Syll. Fung. 1: 505.
1882.

Sphaeria Fragariae Tul. Ann. Sci. Nat. IV. 5: 112. 1856.

Stigmatea Fragariae Tul. Sel. Fung. Carp. 2: 288. pl. 31. 1863.

Ramularia Tulasnei Sacc., Michelia 1: 536. 1879.

Ramularia Fragariae Peck, Ann. Rep. N. Y. St. Mus. 34: 30.
pl. 3, f. 12, 15. 1883.

Conidia on leaves of *Fragaria virginiana* Duchesne, Fayette, Iowa, July 2, 1909. G. W. W.

72. SYNCHYTRIUM AECIDIOIDES (Peck) n. n.

Uredo aecidioides Peck, Ann. Rep. N. Y. St. Mus. 24: 88. 1872.

Uredo Peckii Thümen, Myc. Univ. 538. 1876.

Synchytrium fulgens decepiens Farl. Bull. Bussey Inst. 2: 229.
1879.

Synchytrium decepiens Farl. Bot. Gaz. 10: 240. 1885.

On *Falcata comosa* (L.) Kuntze, Fayette, Iowa, July 3, 1909.
G. W. & D. D. Wilson.

73. TAPHRINA JOHANSONII Sadeb. Jahrb. Hamd. Wissensch.
Anst. 10: 74. 1893.

On capsules of *Populus tremuloides* Michx., Fayette, Iowa,
May 18, 1909. G. W. & D. D. Wilson.

The bright yellow color of the infected capsules makes this a very conspicuous fungus. Not common but where present the trees were thoroughly infected.

74. URNULA CRATERIUM (Schw.) Fries, Summa Veg. Scand.
364. 1849.

Peziza craterium Schw. Schr. Nat. Ges. Leipzig 1: 117. *pl.* 1,
f. 7-11. 1818.

Fayette, Iowa, May, 1908. G. W. W. & H. H. Strauss.

Locally common on fallen branches in woodlands.

75. XYLARIA HYPOXYLON (L.) Grev. Fl. Edin. 335. 1824.

Clavaria Hypoxylon L. Sp. Pl. 1182. 1753.

Sphaeria Hypoxylon Pers. Obs. Myc. 1: 20. 1796.

On rotten wood, Bronx, N. York City, 1907. F. J. S.